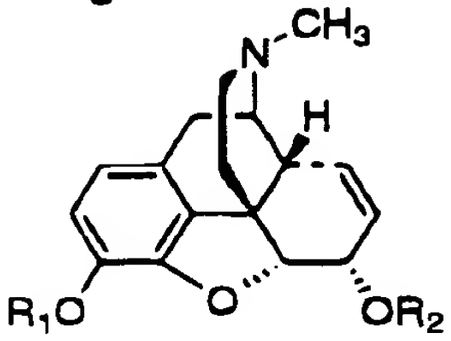
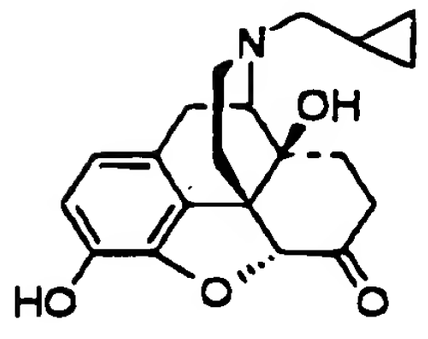
Figure 1



1, $R_1 = R_2 = H$
2, $R_1 = R_2 = COCH_3$



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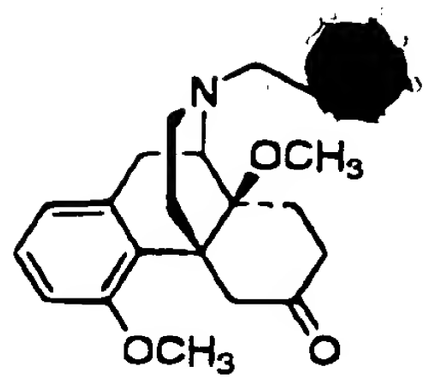

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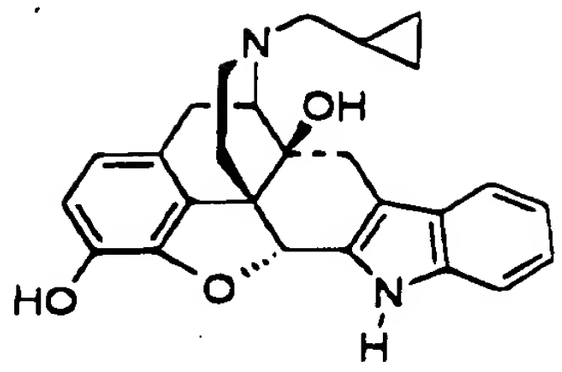

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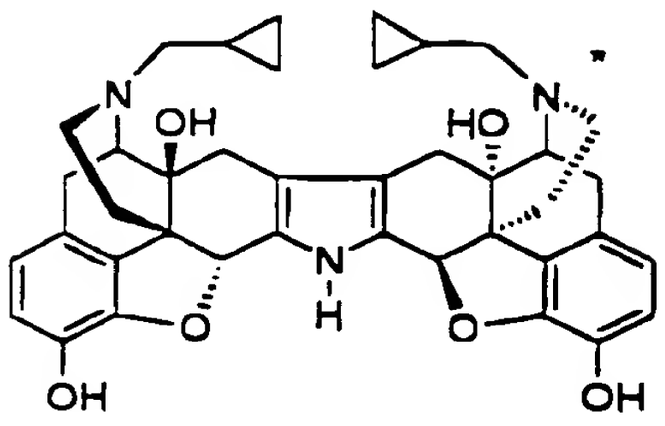

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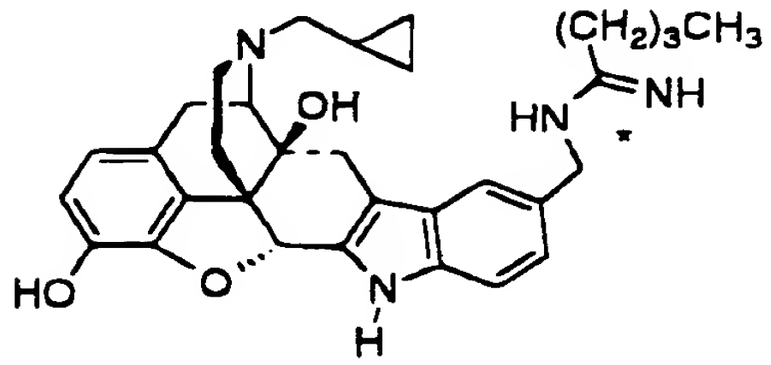

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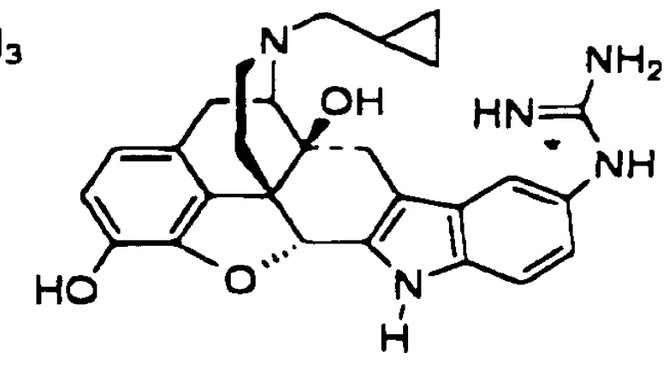

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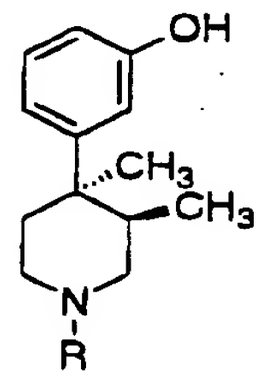
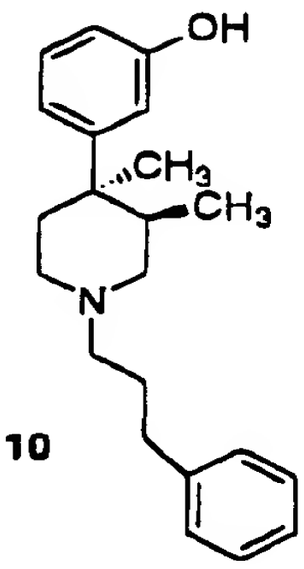


9a; R = CH_3
9b; R = $CH_2C_3H_5$



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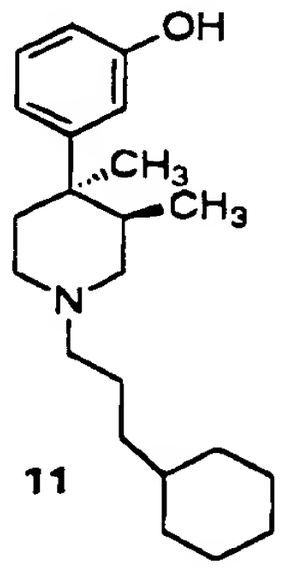

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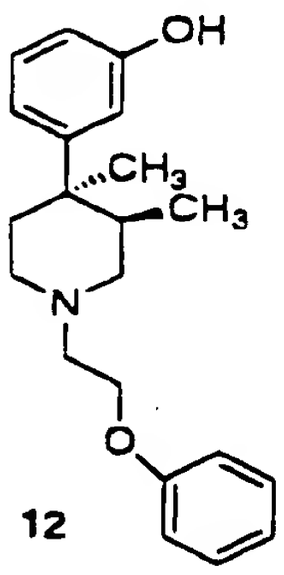

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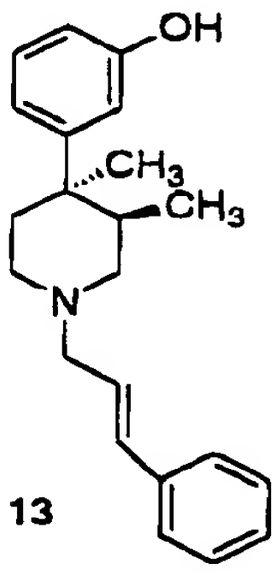

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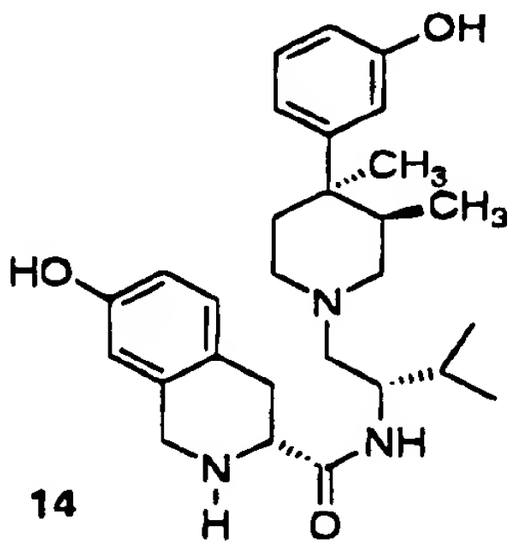

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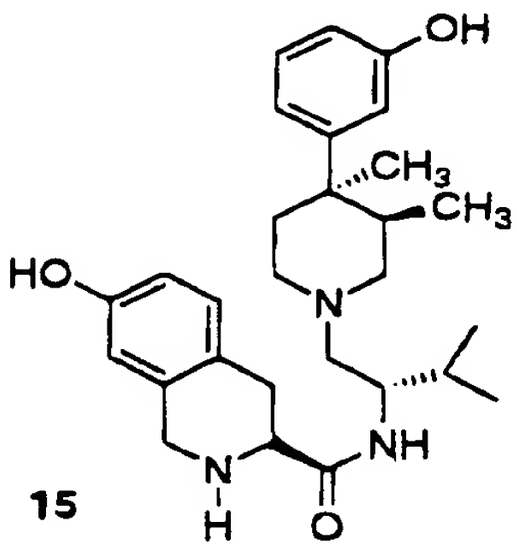
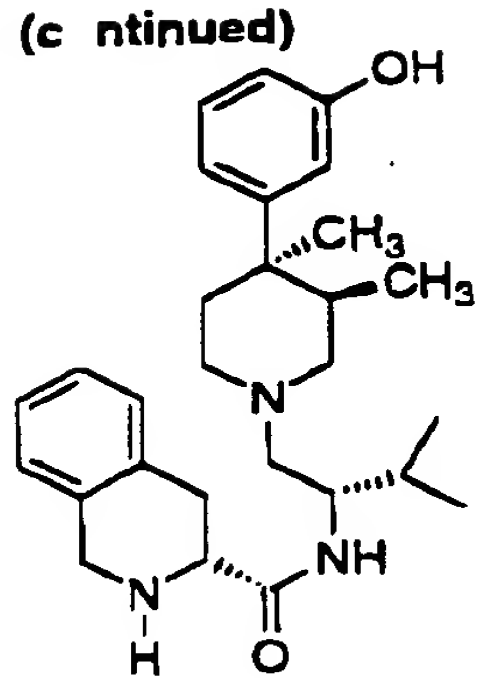


15

Figure 1 (c ntinued)

16



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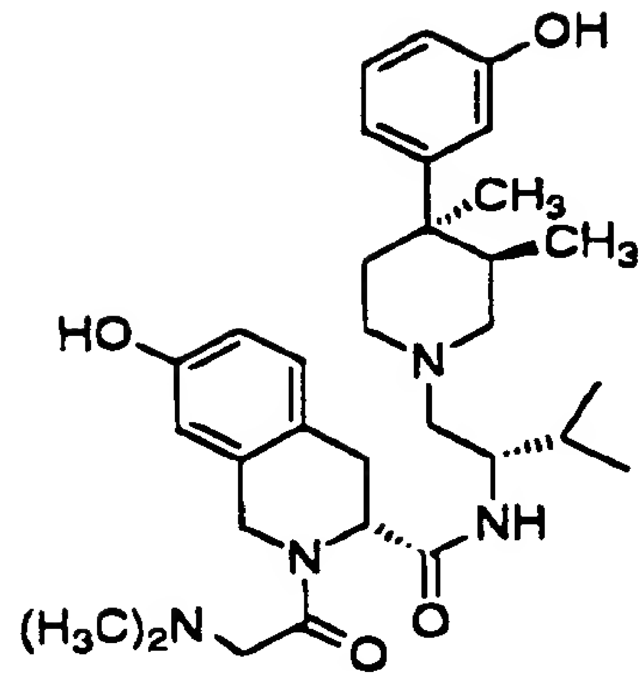

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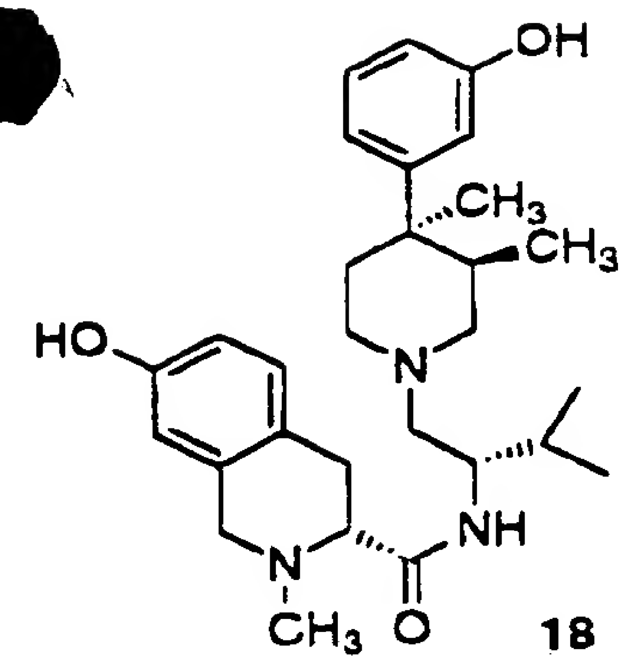

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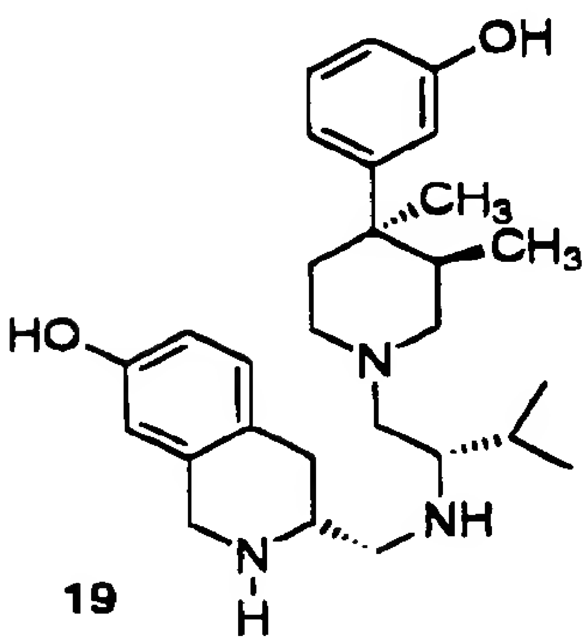

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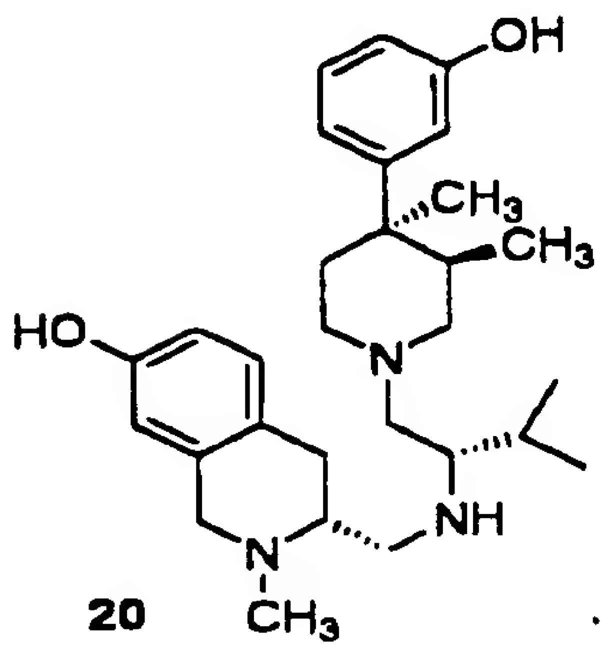

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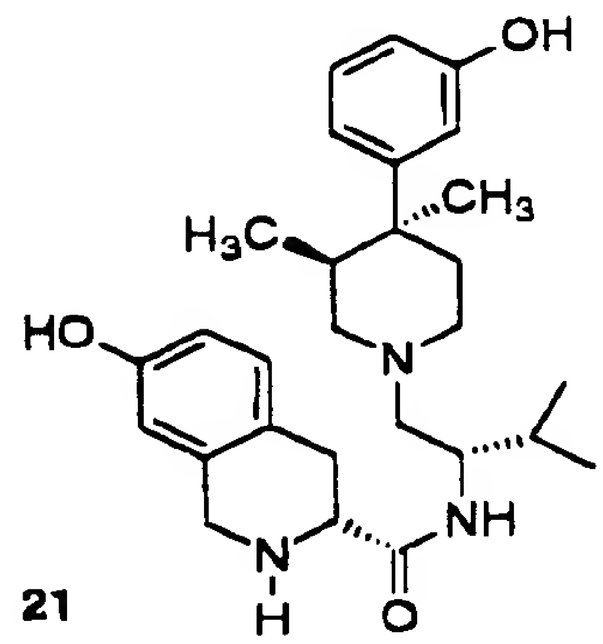
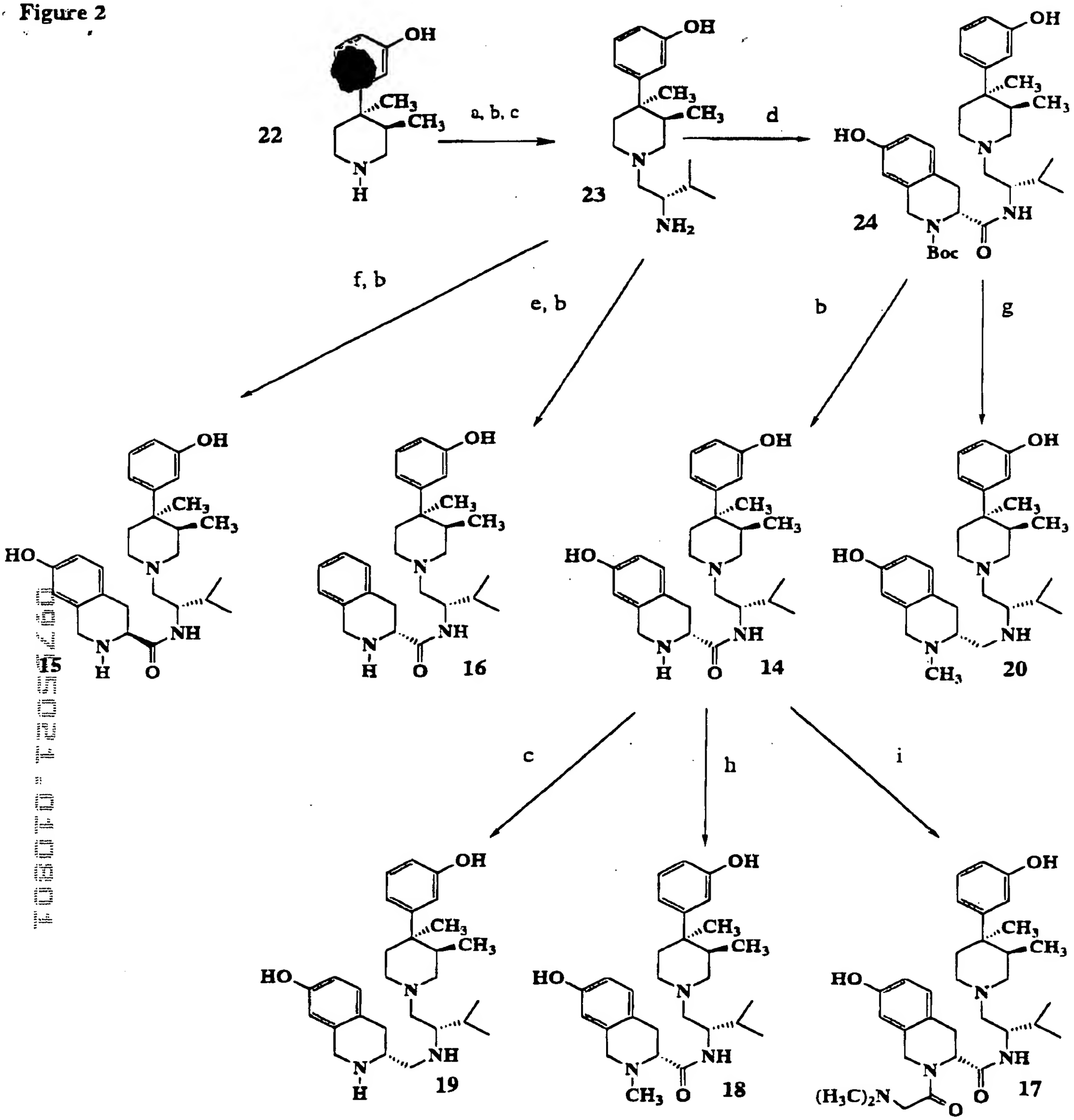
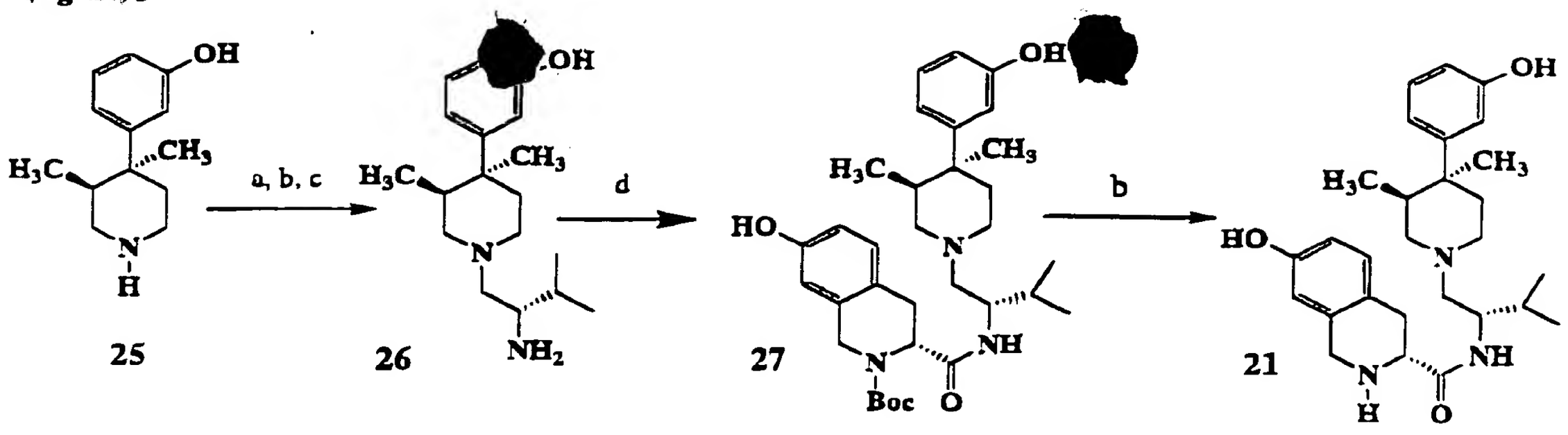


Figure 2



Reagents: (a) Boc-L-valine, BOP, TEA, THF; (b) TFA, CH_2Cl_2; (c) borane/dimethyl sulfide; (d) Boc-D-7-hydroxy-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid, BOP, TEA, THF; (e) Boc-D-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid, BOP, TEA, THF; (f) Boc-L-7-hydroxy-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid, BOP, TEA, THF; (g) Lithium aluminum hydride, THF; (h) formalin, $NaBH(OAc)_3$, dichloroethane; (i) N,N-dimethylglycine, BOP, TEA, THF

Figure 3



Reagents: (a) Boc-L-valine, BOP, TEA, THF; (b) TFA, CH_2Cl_2; (c) borane/dimethyl sulfide; (d) Boc-D-7-hydroxy-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid, BOP, TEA, THF